CATERPILLAR

Operation and Maintenance Manual

430F2 BACKHOE LOADER

S/N HWE00001-UP

Tip; Use Bookmarks panel to navigate

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Product: BACKHOE LOADER
Model: 430F2 BACKHOE LOADER HWE
Configuration: 430F2 Center Pivot Backhoe Loader HWE00001-UP (MACHINE) POWERED BY C4.4 Engine

Operation and Maintenance Manual
Caterpillar Short Body Radio

Media Number -M0086999-05 **Publication Date -01/05/2019** **Date Updated -14/05/2019**

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Foreword

Literature Information

This manual should be stored in the literature holder.

This manual contains safety information, operation instructions, and maintenance recommendations.

Some photographs or illustrations in this publication show detail or attachments that can be different from your product.

Continuing improvement and advancement of product design might have caused changes to your product which are not included in this publication. Read, study, and keep this manual with the product.

Whenever a question arises regarding your product, or this publication, please consult your Cat dealer for the latest available information.

Safety

The safety section lists basic safety precautions. In addition, this section identifies the text and locations of warning signs and labels used on the product.

Operation

The operation section is a reference for the new operator and a refresher for the experienced operator. This section includes a discussion of gauges, switches, product controls, attachment controls, and programming information.

Photographs and illustrations guide the operator through correct procedures of checking, starting, operating, and stopping the product.

Operating techniques outlined in this publication are basic. Skill and techniques develop as the operator gains knowledge of the product and its capabilities.

Maintenance

The maintenance section is a guide to equipment care.

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Mon Feb 6 09:15:56 UTC+0530 2023

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Caterpillar Short Body Radio
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i07257802

Radio - Entertainment If Equipped

SMCS - 7338

CAUTION

When driving, always keep your eyes on the road and hands on the steering wheel, paying careful attention to normal driving tasks. As always, the driver is responsible for safe vehicle operation. Not keeping your eyes on the road and hands on the wheel while driving could result in injury to you or others.

Introduction

Information included in this owners manual was accurate at the time of publication. Caterpillar, however, reserves the right to change specifications and performance without prior notice. Check with your dealer for details regarding changes that may have occurred since time of printing.

The Radio system is controlled by using the buttons, RSA (Rear Seat Audio), or steering wheel controls.

Stereo Receivers

This is the sample of the manual

Click on the download link for complete manual

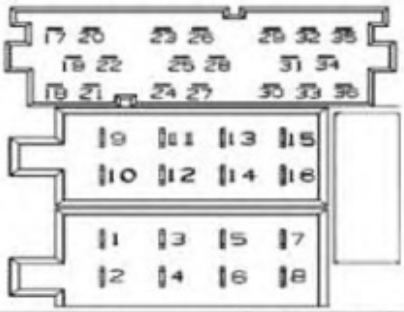
Download Link

Illustration 1 g06244205

RADIO/USB MP3/USB/DAB+/DAB/Bluetooth Receiver

Radio Pin out

Radio pinout is shown below



Pin No	Note	Pin No	Note
3	Telephone mute low	9	Rear R+
4	Ignition	10	Rear R-
5	Antenna Remote	11	Front R+
6	Illumination	12	Front R-
7	Battery+	13	Front L+
8	Power Ground	14	Front L-
21	SWRC+	15	Rear L+
22	SWRC GND	16	Rear L-
23	Left AUX Input	25	AUX GND
24	AUX Shield GND	26	Right AUX Input
31	Mic+	32	Mic-

Illustration 2 g06247913

General Radio Receiver Functions

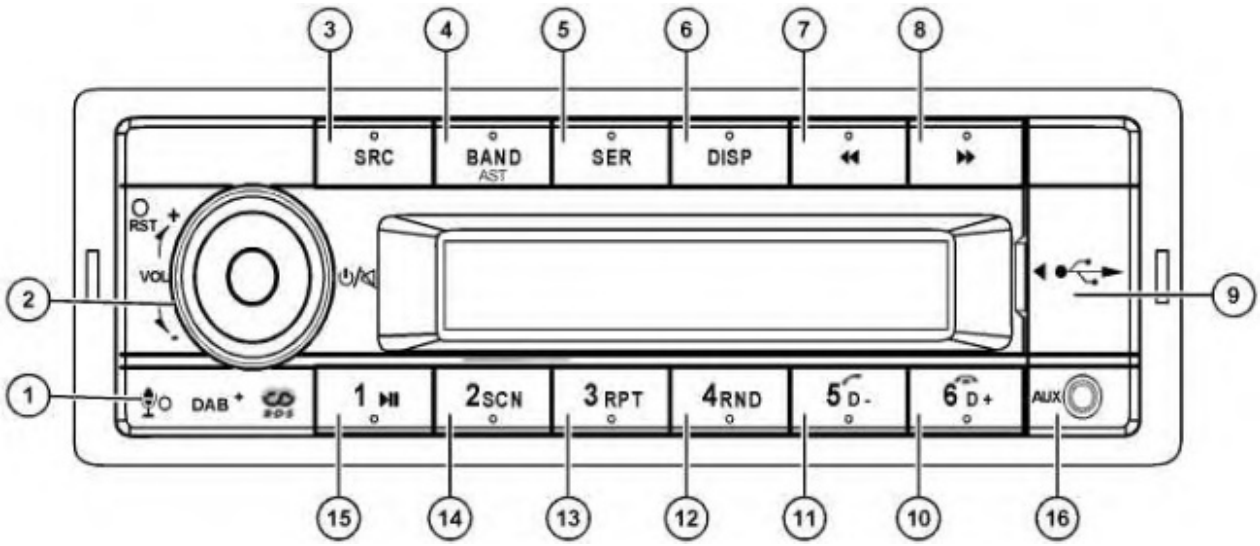


Illustration 3 g06247166

(1) Microphone
(2) Power ON/ OFF / Mute
(3) Power button
(4) Band / AST Button
(5) Source (SRC) Button
(6) DISP (Display) Play/Pause
(7) PREV (Previous)
(8) Next Button
(9) USB Slot
(10) MP3 Folder ahead / Phone Hang Up
(11) MP3 Folder back / Phone Pick Up
(12) MP3 Random play
(13) MP3 Repeat play
(14) Program intro Play (SCAN)
(15) MP3 / Bluetooth Play / Pause
(16) Front Auxiliary input

Options

- An AM band with 6 AM presets
- Three FM bands with a total of 18 FM presets
- One weather band with six WX presets

General Operation

Power ON / OFF / Mute

To Switch on the Radio push the Power ON/OFF button. To switch off the Radio, push the Power ON/OFF button for more than 2 sec. The Radio will be muted by pushing the Power ON/OFF button for less that 2 sec.

Ignition Logic

With ignition logic activated (Default setting) the Radio can be switched on and off manually even if the vehicles ignition pin is not connected. To avoid battery discharge, the radio is switched off after 1h without user operation.

System Settings

The system settings menu is entered by long pressing the [DISP] button. To access the available menu entries, push the search buttons [<< />>]. To select the available options of each menu entry, rotate the [VOL] knob.

Source (SRC) Button

Press the [SRC] button to switch between and select available sources: TUNER->USB->AUX F->AUX R-> Bluetooth->DAB (applicable to DAB feature). USB and Bluetooth is only visible in the menu when connected.

Reception Area

This Radio is designed to work in different regions with different frequency ranges. The Reception area can be adjusted via the System Settings menu

The following Areas are available:

- EUROPE
- ASIA
- JAPAN
- North Africa
- United States of America (USA)

Clock Setting

The clock time can be adjusted manually by long pressing the [DISP] button to set the time.

Select [CLOCK] with the search buttons [<< />>]. Press [SEL] button and rotate [VOL] knob to adjust the minutes.

VOLUME KNOB/OK

To adjust the Volume, rotate the [VOL] knob

Predefined sound effects

The Radio provides different predefined sound effects . Press the [SEL] button to enter the Sound settings menu. Rotate the [VOL] knob to select one of the following options: EQ OFF -> POP -> ROCK -> CLASSIC -> JAZZ -> CUSTOM.

Balance. Fade and Loudness

To adjust Balance, Fader and Loudness press the [SEL] button and then push [<< / >>] button to select BALANCE -> FADER -> LOUDNESS. Rotate the [VOL] knob to adjust Balance, Fade, and Loudness according to your needs.

Manual Sound Adjustment

For manual sound adjustments first select CUSTOM. Push the [SEL] button again and then select BASS or TREBLE with the [<< / >>] button. Rotate the [VOL] knob to adjust BASS and TREBLE according to your needs.

Note: The default setting

AM-FM Radio

To access AM/FM Radio, press the [SRC] button and select Tuner.

Select Band

Press the [BAND] Button to select one of the available Radio Bands. The Radio bands will be changed in the following order: FM1 -> FM2 -> FM3 -> AM1 -> AM2

Note: The AM Band can be deactivated by the user via the system settings menu.

Automatic Tuning

For Automatic tuning press the [<< / >>] button. The Radio will search and select the next receivable station.

When Traffic Announcement is activated (“TA = ON”), only stations that broadcast Traffic announcements will be tuned.

Manual tuning

For manual station selections press the [<< / >>] button for longer than 2 sec. “MANUAL” is shown in the display. Pressing the [<< / >>] button again the frequency will be incrementally increased/decreased.

Manual Storing Favorites

There are 18 FM , 12 AM Favorite banks available. Select the favorite bank where to store the station and tune the station that shall be stored. Push the preset button longer than 2 sec .to store the station

Recall Stored Favorites

To recall a stored favorite, push the preset button corresponding to the stored favorite.

Auto Memory Store

To search for the best receivable stations and store as favorite, press the (BAND/AST] button for 2 sec. The Radio searches the best receivable station and stores those stations.

RDS

Many FM Stations in Europe transmit RDS data (Radio Data System) in addition to audio programs.

With RDS the user has the following benefits:

- The best audible frequency (AF) of a selected station is tuned automatically for best reception quality. To enable automatic selection of best audible frequency, select “AF=ON” in the Settings menu.
- The Radio recognizes Traffic Announcement and can switch to Radio, even if another Audio source is selected. To enable automatic Traffic announcement, select “TA=ON” in the Settings menu.
- Some Stations provide regional specific programs. With the regional (REG) function only those frequencies are followed that broadcast the selected regional program. To follow regional programs, select “REG=ON” in the Settings menu.
- The stations name can be displayed.

Note: For further settings see System Menu.

Program Type (PTY)

Via the RDS System FM stations in many countries transmit the type of program (Program Type , PTY) that is broadcasted.

To search for a desired Program type, push [SRC] for about 2 seconds and select the Program type by rotating the [VOL] knob. The Radio will search for a Radio-Program with the selected Program type when the [SEL] button is pushed. “PTY SEEK” is shown in the Display.

If no station with the selected Program Type can be found, the last tuned station will be selected and “NO PTY” is shown in the Display.

The following program types are available:

- NEWS
- AFFAIRS
- INFO
- SPORTS
- EDUCATE
- DRAMA
- CULTURE
- SCIENCE
- VARIED
- POP-M

- ROCK-M
- EASY-M
- LIGHT-M
- CLASSICS-M
- OTHER-M
- WEATHER
- FINANCE
- CHILDREN
- SOCIAL
- RELIGION
- PHONE IN
- TRAVEL
- LEISURE
- JAZZ
- COUNTRY
- NATIONAL-M
- OLDI ES
- FOLK-M
- DOCUMENT
- TEST
- ALARM

DAB Radio (applicable to DAB feature)

DAB/DAB+ Provides radio programs in digital sound quality.

DAB Radio Selection

To access Digital Audio Broadcast (DAB), press the [SRC] button and select DAB.

DAB Service SCAN

To search for receivable DAB Services, the DAB service SCAN has to be started by pushing [BAND/AST] for 2 sec. “SCAN” is shown in the display.

Tuning a DAB Service

To tune a DAB service, push [<< / >>] to select the next/previous DAB service. “Tuning” is shown on the Display.

Storing DAB Favorites

There are 3 DAB favorite bands available. Press the [BAND] Button to select one of the available DAB Bands. The DAB bands will be changed in the following order:

- DAB1 ->
- DAB2 ->
- DAB3

Push the preset button longer than 2 seconds, to store the station.

Recall Stored Favorites

To recall a stored favorite, push the corresponding preset button.

DAB Service List

To get an overview of receivable DAB services, a DAB Service List can be displayed.

Push [SEL] for 2 sec. to open the DAB Service List. Rotate the [VOL] Button to scroll through the list of receivable stations.

To tune a DAB service, push [SEL]. “Tuning” is shown on the display.

In the case that a Service is temporary not receivable “No Service” will be shown on the display.

Switching between DAB and FM

When the DAB signal quality drops significantly, switch to FM and listen to the service via FM.

Switching between DAB and FM (DABFMLNK) can be disabled via the system settings menu.

USB/MP3/WMA

MP3 is short for MPEG Audio Layer 3 and refers to an audio compression technology standard. This product allows playback of MP3 files. The unit cannot read an MP3 file that has a file extension other than ".mp3". •If you play a non-MP3 file that has the “.mp3" extension, you may hear some noise. In this manual, refer to what are called "MP3 file" and "folder " in PC terminology as "track" and "Album," respectively. Maximum number of directories and files is 65535, including the root directory. Maximum number of files per folder is 1000. The unit may not play tracks in the order of Track numbers. Supports bit rate from 8 to 320 kbps and VBR (Variable Bit Rate).

Note: Supports bit rate from 5 to 384 kbps and VBR (Variable Bit Rate).

USB

USB functions (flash memory type) MP3 music play:

- USB flash memory 2 in 1 support

- FAT 12 / FAT 16 / FAT 32 format supported
- File name: 64 byte / directory (DIR) name: 64 byte/tag name: 30 byte
- Tag (id3 tag ver 2.0) - title/artist/album: 32 byte support.
- USB 1.1 support, USB 2.0 support (For 2.0, speed performance is as USB 1.1)

Note: Not all USB devices are compatible with the unit. USB connector can support maximum work power with 500 mA.

Loading / Removal and Functions of USB Device

Insert a USB device into the USB-slot “Reading” is shown on the Display. MP3 Playback will start immediate afterwards.

Before removing the USB Device switch to another Source by pushing the [SRC] button.

The USB Devices has the following functions:

- **MP3 Playback/Pause** To pause and resume MP3 Playback push button [1>].
- **Next/Previous MP3 Track** To select the next/previous track push the [>II] button.
- **Fast forward/fast rewind** To fast forward/fast rewind the current track push the [>II] button longer than 2 sec.
- **Random Play** To activate random play push the button [4 RND].
- **Repeat** Push the [3 RPT] button to activate repeat Track/repeat directory/repeat all.
- **SCAN** To activate/stop the scan function push the button [2 SCN]. In scan mode all titles are played for 10 sec.

Bluetooth

The Bluetooth allows you to utilize your vehicles built-in audio system for wireless mobile phone or music hands free communication. Some Bluetooth mobile phones have the audio features, and some portable audio players support Bluetooth feature. This system can play audio data stored in a Bluetooth audio device. The vehicle stereo with Bluetooth will be able to retrieve phonebook contacts, received call, dialed call, missed call, incoming calls, outgoing call and listen to music.

Note: Do not leave the microphone on Bluetooth hands free in the places with wind passing such as air outlet of the air conditioner. Leaving the microphone in the aforementioned manner may cause a malfunction.

Note: If left in places subjected to direct sun, high temperature can cause distortion, discoloration which may result in a malfunction.

Note: This system will not operate or may operate improperly with some Bluetooth audio players.

Note: Compatibility of all mobile phones with this unit is not guaranteed.

Note: Audio playback will be set to the same volume level as set during telephone call. The volume level might cause problems, if extreme volume level is set during telephone call.

Hands free Operations

Pairing:

1. Turn on Bluetooth function of your mobile phone.
2. Enter mobile phones Bluetooth setup menu.
3. Search for new Bluetooth devices.
4. Select Bluetooth "Cat Radio" devices from the pairing list on the mobile phone.
5. Enter “ 1234 ” as the password (The password default setting is “ 1234 ”).

Note: After pairing successfully, BT and HPF icons will light up. A2DP icon will light up after A2DP connected

Dial Number

LCD screen displays dialing information.

Unit dialing:

1. Press [SRC] button switch to BT /Audio mode
2. Press [5 D+] to choose the DIAL ON function, press [SEL] button / [<</>>] button and rotate the knob to input dialing numbers.

Transfer Call

You can switch between hands free call and mobile phone call. Press the [5 /] button during call.

Answering a call

You can answer an incoming call by pressing the [5/] button. Press the [6 /] button to reject an incoming call.

Audio Streaming

Audio streaming is a technique for transferring audio data, audio streaming can be processed as a steady, and continuous stream. Users can stream music from external audio players to the stereo wirelessly and listen to the tracks through the speakers. Consult your nearest dealer for more information on the product of wireless audio streaming transmitter offered.

Note: Avoid operating your connected mobile phone while audio streaming, doing so may cause noise or sound choppy on the song playback. Audio streaming may or may not resume after telephone interruption and depends on the mobile phone. The system will always return to Radio mode if audio streaming is disconnected. Be sure to read the chapter “Pairing” before proceeding.

BT /Audio mode (A2DP)

- **Playback/Pause** To pause and resume Playback push button [1>].
- **Next/Previous Track** To select the next/previous track push the [<</>>] button.

Note: Playing order will depend on Bluetooth audio player. When the [>II] button is pressed, some A2DP devices will restart the current track depends on the duration of playback. During music streaming playback, “A2DP and HFP” will be shown on the display. When A2DP device is disconnected, “DISCONN” will be shown on the display Some Bluetooth audio players may not have play / pause synchronized with this unit. Make sure that both device and main unit are in the same play/ pause status in BT /Audio mode.

Dimming

The display and buttons can be dimmed. This radio allows manual or automatic dimming. Select “DIMMING” in the settings menu and select one of the following options:

1. Select “OFF” to disable Dimming.
2. Select “Manual” dimming when the radio is not connected to the vehicles illumination pin.
3. Select “Auto” dimming when the Radio is connected correct to the vehicles illumination-pin.

Brightness adjustment

To adjust your favorite brightness-setting for display- and button brightness select manual mode.

Select Manual dimming to adjust Brightness of Display and Buttons

DAY/ Night Selection

Select DIMMAN and change between day mode and night mode by selecting “DIMDAY“ or “DIMNIGHT”

Night Brightness adjustment of display and Buttons

To adjust Night Brightness of the display and buttons, select “DIMNIGHT”. Then select, “DIM DISP” and adjust the brightness of the Display accordingly. Then select “DIMNIGHT” and adjust the brightness of the Buttons accordingly.

Day Brightness adjustment of display and Buttons

To adjust Day Brightness of the display and buttons, select “DIMDAY”. Then, select “DIM DISP” and adjust the brightness of the Display accordingly. Then, select “DIM KEY” and adjust the brightness of the Buttons accordingly.

Manual Mode

Change between Day and Night Mode by selecting “DIMDAY” or “DIMNIGHT”

Automatic Mode

In automatic mode the display will change automatically between day and night mode when the radio is connected to the vehicles illumination pin.

System Setting Item List

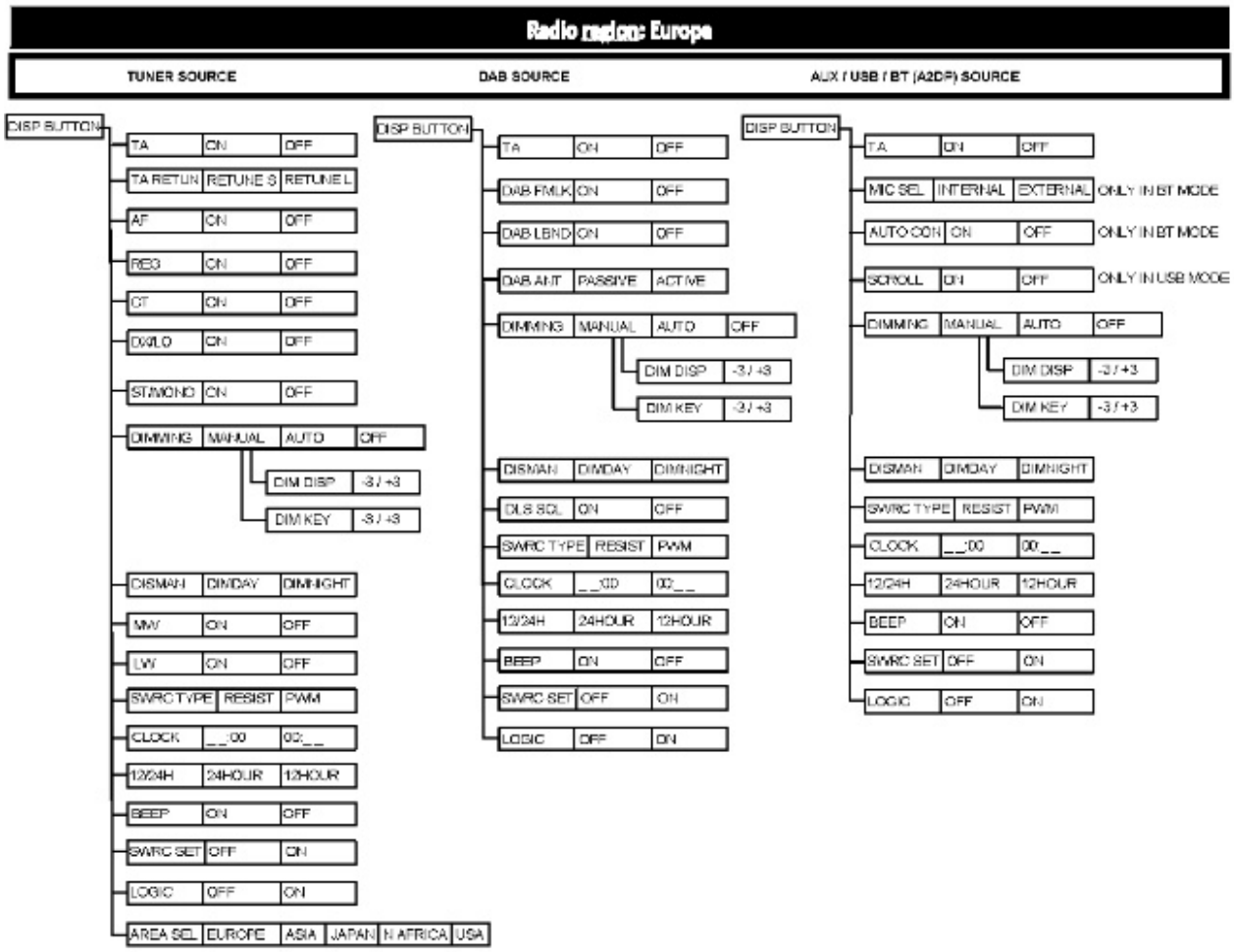


Illustration 4 g06247829

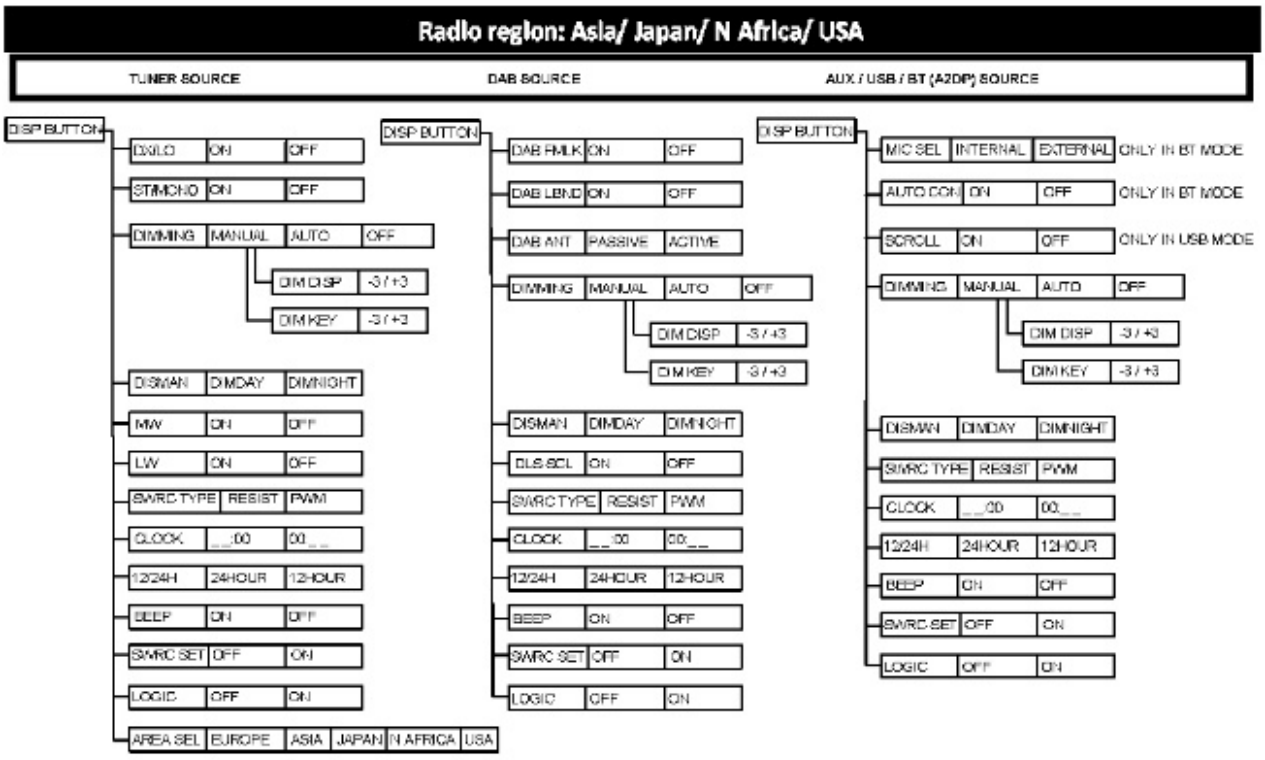


Illustration 5 g06247868

AM/FM Tuner Options

The AM/FM tuner has the following options:

- "TA" Enable /Disable automatic switching to FM-tuner mode if there is incoming Traffic announcements.
- "TA Return" Switch back time in the case that Announcement-Signal cannot be detected any more.
- "AF" Enable/Disable automatic selection of best audible frequency in FM-Tuner Mode (RDS).
- "REG" Enable/Disable automatic selection of better audible frequencies that broadcast different regional content.
- "CT" Automatic synchronization of Clock with time received via RDS-Signal.
- "DX/LO" Search Level of AM/FM-Tuner.
- "ST/MONO" Selection of Stereo or Mono output of FM/AM tuner.

- "AREA SEL" To adjust the AM/FM tuner to your region.

DAB Tuner Options

The following features are applicable to DAB feature:

- "DAB FMLINK" Enable /Disable automatic switching to FM-tuner when DAB-Signal drops.
- "DAB LBND" Enable/Disable L-Band Decoding.
- "DAB ANT" Selection of Active or Passive antenna is connected.
- "DLS SCROLL" Enable display of Artist and Song

Bluetooth Options

- "SCROLL" ON: Display ID3 tag information cyclic: Track - Folder -File - Album - Title - Artist - Track. OFF: Display Track.
- "MIC SEL" Use of integrated Microphone in front panel or external Microphone connected by rear connector.
- "AUTO CON" To disable/enable Bluetooth connection.

Steering Wheel Control Options

The following are the steering wheel control options:

- "SWRC TYPE"Selection of Steering Wheel control type (Resistance / PWM).
- "SWRC SET" To enable/disable steering wheel control.

Dimming Options

The following are the Dimming options:

- "DIMMING" To Select Dimming Mode (OFF, Manual, automatic).
- "DIM DISP" To Adjust Display brightness.
- "DIM KEY" To adjust Button brightness.
- "DIS MAN" To switch between DAY and Night Mode

Other options

- "AM / MW" To enable/disable AM / MW Reception.
- "LW" To enable/disable LW Reception.
- "BEEP" To enable/disable confirmation signal.
- "Logic" To enable/disable ignition logic.
- "Clock" To adjust hours and minutes.

- "12 / 24H" To select 12 / 24 h Clock format.

Electrical Connections

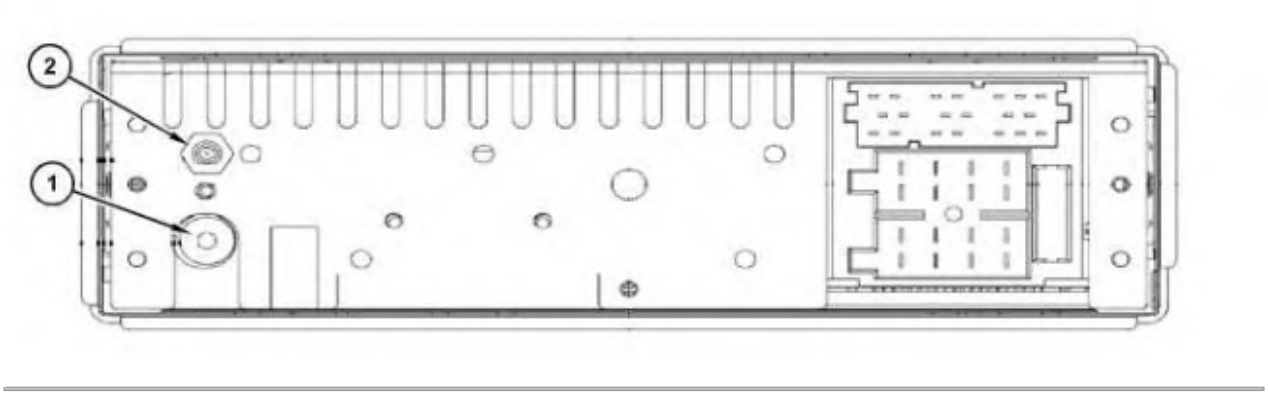


Illustration 6 g06247910

(1) DAB SMB Connector
(2) AM/FM ISO Connector

Tips and Troubleshooting Chart

The following checklist can help you solve some problems which you may encounter when using the unit. Before consulting a service representative, check the connections and follow the instructions in the user manual. Do not use the unit in abnormal condition. Examples of abnormal conditions area as follows, no sound, smoke, or foul smell. The aforementioned examples can cause fire or electric shock. Immediately stop using radio and call the store where your radio was purchased.

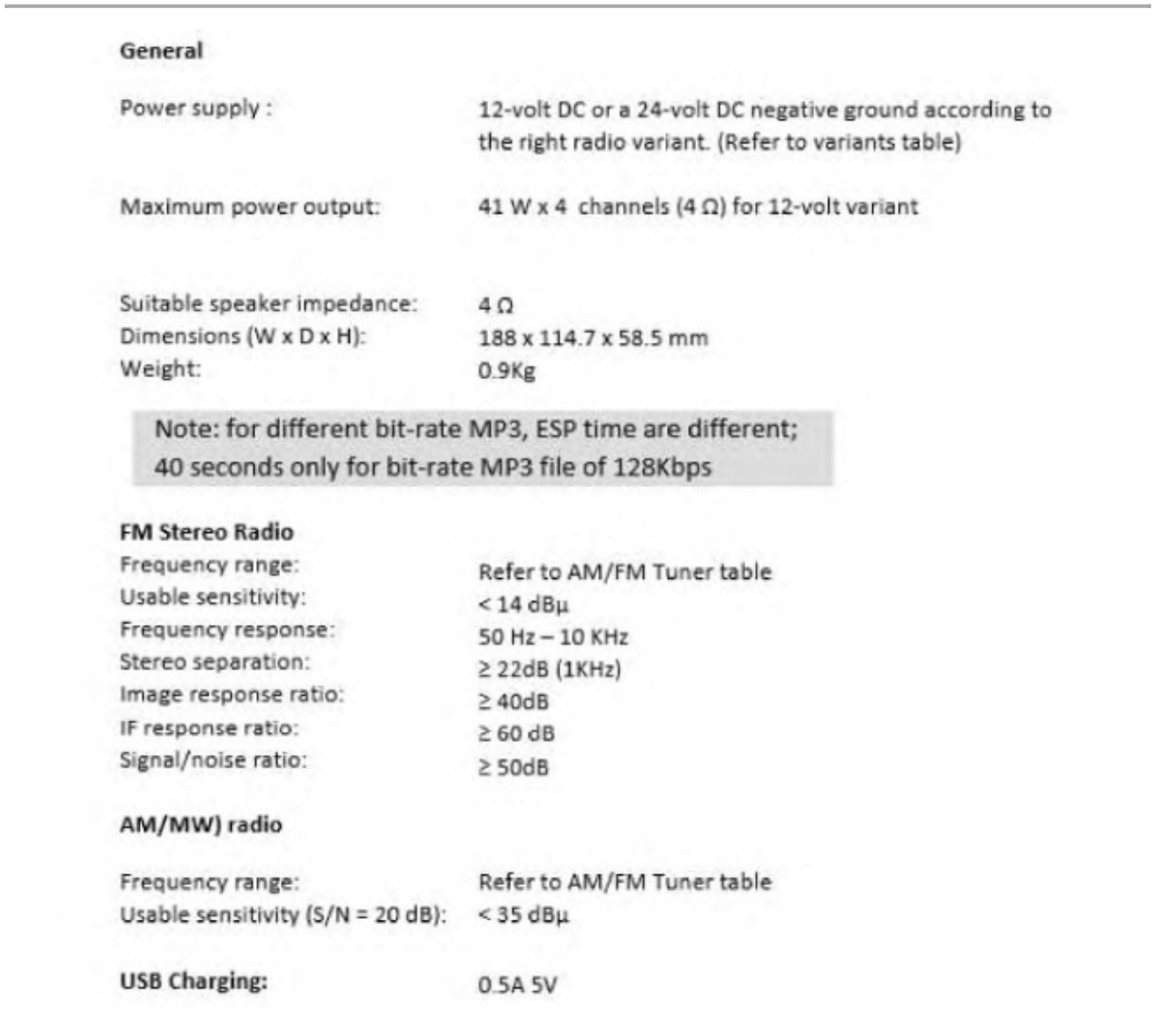
Table 1

Problem	Possible Cause	Solution
General		
The unit will not switch on.	vehicle ignition is not on. Cable is not properly connected. Fuse is burnt.	Turn your vehicle key in the ignition. Check cable connection. Replace fuse with a new fuse of the same capacity.
No sound	Volume is set at minimum or the mute function is on.	Check the volume or switch off the mute function.
The unit or screen does not work normally.	The unit system is unstable	Press the RESET button.
Mode Tuner		
Unable to receive stations.	The antenna is not connected properly.	Connect the antenna properly.
Poor quality reception of radio station.	The antenna is not fully extended or broken.	Fully extend the antenna and if broken, replace with a new one.
Mode USB		

Unable to insert USB device.	The USB device has been inserted the wrong way around.	Insert the other way around.
The USB device cannot be read.	NTFS format is not supported.	Check that the file system is in FAT or FAT32 format. Due to different formats, some models of storage devices or MP3 players may not be read.

Specifications

The following information pertains to specifications of the radio.



General

Power supply :	12-volt DC or a 24-volt DC negative ground according to the right radio variant. (Refer to variants table)
Maximum power output:	41 W x 4 channels (4 Ω) for 12-volt variant
Suitable speaker impedance:	4 Ω
Dimensions (W x D x H):	188 x 114.7 x 58.5 mm
Weight:	0.9Kg

Note: for different bit-rate MP3, ESP time are different;
40 seconds only for bit-rate MP3 file of 128Kbps

FM Stereo Radio

Frequency range:	Refer to AM/FM Tuner table
Usable sensitivity:	< 14 dBμ
Frequency response:	50 Hz – 10 KHz
Stereo separation:	≥ 22dB (1KHz)
Image response ratio:	≥ 40dB
IF response ratio:	≥ 60 dB
Signal/noise ratio:	≥ 50dB

AM/MW) radio

Frequency range:	Refer to AM/FM Tuner table
Usable sensitivity (S/N = 20 dB):	< 35 dBμ

USB Charging: 0.5A 5V

Illustration 7 g06248106

Table 2

AM/FM tuner	BAND	Received Frequency	Auto Space	Channel Space
American	FM	87.5 - 107.9MHz	200KHz	100KHz
	AM	530 - 1710KHz	10KHz	10KHz

Europe	FM	87.5 - 108.0MHz	100KHz	50KHz
	MW	522 - 1620KHz	9KHz	9KHz
	LW	144 - 288KHz	3KHz	3KHz
Asia	FM	87.5 - 108.0MHz	50KHZ	50KHz
	AM	522 - 1629KHz	9KHz	9KHz
Japan	FM	76.0 - 95,0MHz	100KHz	100KHz
	AM	522 - 1629KHz	9KHz	9KHZ
Latam	FM	76.0 - 107.9MHz	50KHz	50KHz
	AM	530 - 1710KHz	10KHz	10KHz
N Africa	FM	87.5 - 108.0MHz	100KHz	50KHZ
	MW	531 - 1602KHz	9KHz	9KHz
	LW	153 - 252KHz	3KHz	3KHz

Table 3

Digital (DAB) Radio			
Frequency range:	DAB Band III: 174.928MHz ~ 239.200 MHz		
	DAB Band L: 1452.960MHz ~ 1490.624 MHz		
Usable sensitivity (RF=72dBM)	-95dBM		
Frequency response:	20Hz-20KHz		
Stereo separation	≥50dB		
Signal/noise ratio:	≥60dB		
	Item	Min	Max
	Far off selectivity:	42dB	60dB
	Adjacent channel rejection:	35dB	40dB

Note: Specifications and the design are subject to change without notice due to improvements in technology.

Table 4

Bluetooth	
Output power	4 dBm (Class 2)
Frequency band	2.4000 GHz - 2.4835 GHz (ISM Band)
Range	10 m (free space)
Standard	Bluetooth 2.0 specification

Accessories

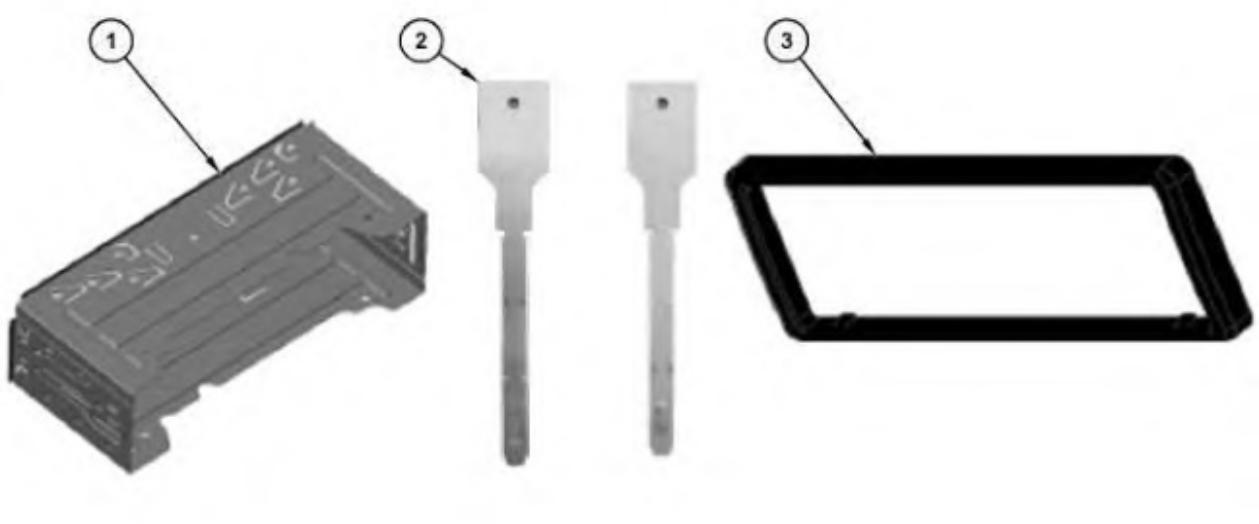


Illustration 8 g06248183

Radio accessories
(1) Metal sleeve
(2) Removal tools
(3) Bezel

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Media Number -M0086999-05 **Publication Date -01/05/2019** **Date Updated -14/05/2019**

i07724274

Entertainment Radio - Continental - If Equipped

SMCS - 7338

Table 1

Model	Cat Part Number
Continental	525-1508

Specifications

The following communication device specifications are provided to aid in conducting any related hazard assessment and to ensure compliance with all local regulations:

Table 2

Radio Transmitter Specifications		
Radio Model	**Transmitter Frequency Range**	**Maximum Power Output**
Continental Bluetooth (ISM Band)	2.4 GHz - 2.483 GHz	+4 dBm

Declaration of Conformity - European Union

Table 3

CATERPILLAR®
EU Declaration of Conformity

This Declaration of Conformity is issued under the sole responsibility of the manufacturer.	
The undersigned, representing the manufacturer:	
CATERPILLAR INC	
100 N.E. Adams Street	

Peoria, IL 61629			
USA			
hereby declares that the product, the object of this description: Caterpillar Entertainment Radios			
Brand: Caterpillar		Model: Caterpillar Short Body Utility Radio	
Part #: 525-1508		Antenna: 8E-1118	
Is in conformity with the relevant Union harmonization legislation:			
Directive 2014/53/EU			
Directive 2011/65/EU			
Conformity is shown by compliance with applicable requirement of the following documents:			
Assessment Procedure: _____ Annex II, ___X____ Annex III, _____Annex IV			
2014/53/EU:	RED	LVD (Sec. 3.1a):	EN 60065:2014
			EN 62479:2010
		EMC (Sec. 3.1b):	EN 301 489-1 V2.2.0
			EN 301 489-17 V3.2.0
		RF (Sec. 3.2)	EN 300 328 V2.1.1
			Final Draft EN 303 345 V1.1.7
2011/65/EU	RoHS		EN 50581:2012
Notified Body Name: Siemic Inc.			
Notified Body Number: 2200			
Examination Certificate #: RE-17101308			

Signature: James Morrison

Name: James Morrison

Place: Mossville, IL

Title: Engineering Manager-3

Date: 10/2/2018

Illustration 1 g06391532

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Mon Feb 6 09:19:49 UTC+0530 2023

Product: BACKHOE LOADER
Model: 430F2 BACKHOE LOADER HWE
Configuration: 430F2 Center Pivot Backhoe Loader HWE00001-UP (MACHINE) POWERED BY C4.4 Engine

Operation and Maintenance Manual
Caterpillar Short Body Radio

Media Number -M0086999-05 **Publication Date -01/05/2019** **Date Updated -14/05/2019**

i07545194

General Hazard Information

SMCS - 7606

WARNING

Do not operate or work on this equipment unless you have read and understand the instructions and warnings in the Operation and Maintenance Manuals. Failure to follow the instructions or heed the warnings could result in injury or death. Contact your Caterpillar dealer for replacement manuals. Proper care is your responsibility.

Foreword

This document is a supplement to the Operation and Maintenance Manual for the equipment. Permanently attach this document to the Operation and Maintenance Manual for the equipment.

Introduction

This document provides information about the operation of the Caterpillar AM/FM Radio System.

Operation of the equipment and the maintenance of the equipment must not occur unless the instructions and warnings in the Operation and Maintenance Manual for the equipment have been read and the instructions and the warnings are understood. The contents of this document must be understood before the equipment that is equipped with the CaterpillarAM/FM Radio System is operated.

Warnings and Compliance

Thank you for purchasing this product, read the manual carefully before operating, and reserve manual for future reference.

Precaution

- Use only in a 12-volt DC negative- ground electrical system.
- Disconnect the vehicles negative battery terminal while mounting and connecting the unit.
- When replacing the fuse, be sure to use one with an identical amperage rating.
- Using a fuse with a higher amperage rating may cause serious damage to the unit.
- Make sure that pins or obstacles do not get inside the unit, pins and obstacles may cause malfunctions, or create safety hazards such as electrical shock.
- If you have parked the vehicle for a long time in hot or cold weather, wait until the temperature in the vehicle becomes normal before operating the unit.

Before Operation

Do not raise the volume level too high. Keep the volume at a level at which you can hear outside warning sounds (horns sirens, and so on).

Stop the vehicle before performing any complicated operations.

Caution

Do not open the cover and do not repair. Ask your authorized dealer for help.

Note: According to models with different wiring harness to connect the definition of the specific content, refer to the model label.

Note: Specifications and the design are subject to change without notice due to improvements in technology.

Operation and Maintenance Manuals (OMM) are currently available at:
http://www.cat.com/en_US/support/operations/technology/product-link-owners-manuals.html

For mobile equipment or equipment that is located in areas where direct internet access is not available while the product is in use, a paper copy of the OMM must be printed and kept with the product.

For more information or for a paper copy of the OMM contact your nearest Cat Dealer:
www.cat.com/en_US/support/dealer-locator.html

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Product: BACKHOE LOADER
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Operation and Maintenance Manual
Snow Push and Plows Work Tool Supplement

Media Number -M0090409-00 **Publication Date -01/06/2018** **Date Updated -21/06/2018**

s00272057

Foreword

Literature Information

This manual should be stored in the operator's compartment in the literature holder or seat back literature storage area.

This manual contains safety information, operation instructions, transportation information, lubrication information and maintenance information.

Some photographs or illustrations in this publication show details that can be different from your work tool. Guards and covers might have been removed for illustrative purposes.

Continuing improvement and advancement of product design might have caused changes to your work tool which are not included in this publication. Read, study and keep this manual with the machine that your work tool is installed on.

Whenever a question arises regarding your work tool, or this publication, please consult your Caterpillar dealer for the latest available information.

Safety

The safety section lists basic safety precautions. In addition, this section identifies the text and locations of safety signs and labels used on the work tool.

Read and understand the basic precautions listed in the safety section before operating or performing lubrication, maintenance and repair on this work tool.

Operation

The operation section is a reference for the new operator and a refresher for the experienced operator. This section includes a discussion of gauges, switches, machine controls, work tool controls, transportation and towing information.

This is the sample of the manual

Click on the download link for complete manual

Download Link